

Power Cost Memorandum Purchased Power Update

Date: **December 15, 2022**

Utility Name (Cert. No.) Napakiak Ircinraq Power Company (319)	Utility File No. PC104-0121G	Date Filed: November 15, 2022
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PCE AMOUNT SUMMARY	Previously Approved PC104-0121F	Staff Recommended Amount(s) and Effective Date PC104-0121G
Class Rate	<u>Date Approved:</u> September 2, 2022	December 16, 2022
Residential	\$0.2616	\$0.2611
Community Facilities	\$0.2616	\$0.2611
<input type="checkbox"/> Interim <input checked="" type="checkbox"/> Permanent <input type="checkbox"/> Interim <input checked="" type="checkbox"/> Permanent		

Prior Power Purchase Price: <u>\$0.2761</u>	New Power Purchase Price: <u>\$0.2755</u>
<input type="checkbox"/> Actual <input checked="" type="checkbox"/> Weighted	<input type="checkbox"/> Actual <input checked="" type="checkbox"/> Weighted
Delivery Charge: _____	Surcharge Change: Previous _____ Updated _____

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Signed: *Brenda Cox*
Brenda Cox

Utility Financial Analyst

Commission decision re. this recommendation :

	Date (if different from 12/15/22)	I CONCUR	I DO NOT CONCUR	I WILL WRITE A DISSENTING STATEMENT *
Kurber		<i>KKT</i>		
Doyle		<i>BD</i> BD		
Pickett		<i>RMP</i> BP		
Sullivan		<i>DS</i> DS		
Wilson		<i>JWW</i> JWW		

*If this column is initialed, Staff will contact the Commissioner for the statement, otherwise, dissent will simply be noted at the close of the By Direction Letter or Order.

Napaklak Ircinraq Power Co.

APPENDIX 1

POWER COST EQUALIZATION CALCULATION
FOR THE PERIOD ENDING October 31, 2020
Purchased Power Update

	PC104-0121F	PC104-0121G	
	Prior Commission Approval	Utility Request	Staff Recommended
A. Total kWh Purchased	778,841	778,841	778,841
B. Total kWh Sold (Appendix 2)	747,914	747,914	747,914
C. Total Non-Fuel Costs (Appendix 2)	137,380	137,380	137,380
D. Non-Fuel Cost/kWh (C / B)	\$0.1837	\$0.1837	\$0.1837
E. Total Fuel/Power Costs (Appendix 2)	215,038	214,571	214,571
F. Fuel/ Power Costs/kWh (E / B)	\$0.2875	\$0.2869	\$0.2869
G. Eligible Costs/kWh (D + F)	\$0.4712	\$0.4706	\$0.4706
H. Eligible Cost/kWh (G) less base rate in effect	\$0.2754	\$0.2748	\$0.2748
I. Lesser of (H) or 80.42 cents/kWh	\$0.2754	\$0.2748	\$0.2748
J. Average Class Rates (Appendix 3)			
Residential	\$0.5702	\$0.5702	\$0.5702
Community Facilities	\$0.5702	\$0.5702	\$0.5702
Class Power Cost Equalization Per kWh Payable			
K. Lesser of: (I) x 95% or (J)			
Residential	\$0.2616	\$0.2611	\$0.2611
Community Facilities	\$0.2616	\$0.2611	\$0.2611
L. Funding Level in Effect	100%	100%	100%
Residential	\$0.2616	\$0.2611	\$0.2611
Community Facilities	\$0.2616	\$0.2611	\$0.2611

PC104-0121G
Appendix 1

Napaklak Ircinraq Power Co.

APPENDIX 2

SCHEDULE OF ELIGIBLE POWER COSTS, SALES, AND EFFICIENCY
FOR THE PERIOD ENDING October 31, 2020

Purchased Power Update

	PC104-0121F		PC104-0121G
	Prior Commission Approval	Utility Request	Per Staff
Non-Fuel Costs:			
A. Personnel Expenses	63,194	63,194	63,194
B. Operating Expenses	8,925	8,925	8,925
C. General & Administrative	51,785	51,785	51,785
D. Depreciation Expense	13,476	13,476	13,476
E. Interest Expense	-	-	-
F. Total Non-Fuel Costs	\$137,380	137,380	137,380
Fuel Costs:			
G. kWh purchased from AVEC During Test Year	778,841	778,841	778,841
H. AVEC power cost Weighted average cost per kWh	\$0.2761	\$0.2755	\$0.2755
Total Cost of Fuel/Power	\$215,038	\$214,571	\$214,571
I. kWh Sales	747,914	747,914	747,914
J. kWh Station Service	0	0	0
K. Line Loss ≤ 12%	3.97%	3.97%	3.97%

(purchased power- (kWh sold + Station Service))/purchased power

Weighted Average Cost of Purchased Power:

Purchased Power Cost:	214,109.47
Divided by kWh Purchased:	<u>777,226</u>
Avg Cost per kWh:	0.2755

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Appendix 2

Napaklak Ircinraq Power Company

Appendix 3

Calculation of Average Class Rate per kWh

Rate Schedule: ALL

(1) kWh by Block	(2) Rate (\$/kWh)	(3) Surcharge If Applicable (\$/kWh)	(4) Total (\$/kWh) (2+3)	(5) Total \$ (1x4)	(6) Avg. (\$/kWh) (5)/(1)	(7) Avg. Rate (\$/kWh) - 0.1958
750	0.7660	0.0000	0.7660	574.50	0.7660	0.5702
750				574.50	0.7660	0.5702
TOTAL (A)						(E)

Computation of Community Facilities Average Rate

Rate Schedule: ALL

	(A) Rate (\$/kWh)	(B) Surcharge If Applicable (\$/kWh)	(C) Total Rate (\$/kWh) (A+B)	(7) Avg. Rate (\$/kWh) - 0.1958 kWh
0 to ∞	0.7660	0.0000	0.7660	0.5702
Next to				
Next to				
Next to				

Napakiak Ircinraq Power Company

Power Purchases From
Alaska Village Electric Cooperative
4631 Eagle St.
Anchorage, AK 99503-7431

Napakiak Ircinraq Power Company

	kWh				Customer		
Month	Purchased	Elec Serv Chg	Demand Chg	Fuel Cost Chg	Serv Chg	Other	Total
11/21	81,869	163.74	4,685.42	21,523.36	45.00	1,585.05	28,002.57
12/21	78,185	156.37	4,685.42	20,554.84	45.00	1,526.50	26,968.13
1/22	72,994	145.99	4,099.58	19,876.27	45.00	1,450.01	25,616.85
2/22	75,222	150.44	4,099.58	20,482.95	45.00	1,486.68	26,264.65
3/22	70,787	141.57	3,982.62	19,275.30	45.00	1,406.67	24,851.16
4/22	61,565	123.13	3,982.62	16,764.15	45.00	1,254.89	22,169.79
5/22	60,540	121.08	3,982.62	16,485.04	45.00	1,238.02	21,871.76
6/22	48,044	96.09	3,982.62	12,933.44	45.00	1,023.43	18,080.58
7/22	45,436	90.87	3,982.62	12,231.37	45.00	980.99	17,330.85
8/22	55,517	111.03	3,982.62	17,093.68	45.00	1,273.94	22,506.27
9/22	60,526	121.05	3,982.62	18,635.96	45.00	1,367.08	24,151.71
10/22	66,541	133.08	3,982.62	28,213.38	45.00	1,942.44	34,316.52
	777,226	1,554.44	49,430.96	224,069.74	540.00	16,535.70	292,130.84

Purchased Power Cost: \$214,109.47

Divided by kWh Purchased: 777,226

Avg Cost/kWh \$0.2755

Signature: Keith Kurber II
Keith Kurber II (Dec 15, 2022 08:41 AKST)

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